

**ABSTRACT**

The present invention is directed to a treatment for animal pruritis. One aspect of this invention involves a treatment for animal pruritis comprising one or more polypeptides with an amino acid sequence including KPV, VKP-AC-CC-AC-KPV, MEHFRWG, HFRWGKPV or SYSMEHFRWGKPV for animal pruritis caused by exposure to any number of agents or causes. The polypeptides are at a level to effectively treat the animal pruritis and are combined with a shampoo. Other combinations include the polypeptides at a level to effectively treat animal pruritis combined with a shampoo and an antibiotic, antifungal and/or and anti-inflammatory. The one or more polypeptides can also be a dimer formed from any of the amino acid sequence above.